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| FORM PTO 1390 (REV 10-2003) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER 39509-205611 | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/506813</div> | |
| INTERNATIONAL APPLICATION NO. PCT/EP03/00642 | | INTERNATIONAL FILING DATE January 23, 2003 | | PRIORITY DATE CLAIMED March 7, 2003 | |
| TITLE OF INVENTION HYDROPHILIC SURFACES | | | | | |
| APPLICANT(S) FOR DO/EO/US Markus OLES and Edwin NUN | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). | | | | | |
| Items 11 to 20 below concern document(s) or information included: | | | | | |
| <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: International Search Report | | | | | |

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| U.S. APPLICATION NO. (if known see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/506813</div> | INTERNATIONAL APPLICATION NO. PCT/EP03/00642 | ATTORNEY'S DOCKET NUMBER 39509-205611 |
|---|---|--|

21. ☒ The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) – (5)):

☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1080.00

☒ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00

☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00

☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00

☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE |
|---|--------------|--------------|---------------------------|
| Total claims | 27-20 = | 7 | 126 |
| Independent claims | 2-3 = | | x |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable) | | | + |
| TOTAL OF ABOVE CALCULATIONS = | | | \$ 1,046.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | \$ |
| SUBTOTAL = | | | \$ 1,046.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). | | | \$ |
| TOTAL NATIONAL FEE = | | | \$ 1,046.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | + |
| TOTAL FEES ENCLOSED = | | | \$ 1,046.00 |
| | | | Amount to be refunded: \$ |
| | | | charged: \$ |

a. ☒ A check in the amount of \$ 1,046.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

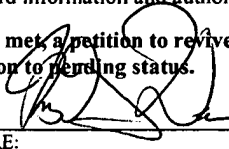
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 22-0261. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Thomas G. Wiseman
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 (202) 344-4000
 CUSTOMER NUMBER: 26694

SIGNATURE: 
 Thomas G. Wiseman
 NAME
 35,046
 REGISTRATION NUMBER

DC2-DOCS1-568566

10/506813

DT15 Rec'd PTO 07 SEP 2004

PTO/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 1,046.00**Complete if Known**

| | |
|----------------------|-----------------------|
| Application Number | Not yet assigned |
| Filing Date | Concurrently Herewith |
| First Named Inventor | Markus OLES et al. |
| Examiner Name | Not Yet Assigned |
| Art Unit | Not yet assigned |
| Attorney Docket No. | 39509-205611 |

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit
Account
Number

22-0261

Deposit
Account
Name

Venable LLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$) 0.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 27 | -20** = 7 | 18.00 | 126.00 |
| 2 | -3** = 0 | 0 | 0 |
| Multiple Dependent | | | |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 126.00

**or number previously paid, if greater; For Reissues, see above

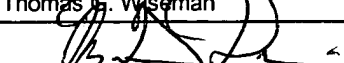
FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity | | Small Entity | | Fee Description | Fee Paid | |
|---------------------|----------|--------------|----------|--|---|--------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet. | | |
| 1053 | 130 | 1053 | 130 | Non-English specification | | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | | |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | | |
| 1502 | 480 | 2502 | 240 | Design issue fee | | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | | |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37CFR 1.129(b)) | | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | | |
| Other fee (specify) | | | | 1613 | PCT: For filing where search report done by EPO/JPO | 920.00 |

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 960.00**SUBMITTED BY**

(Complete if applicable)

| | | | | | |
|-------------------|---|-----------------------------------|-------------------|-----------|----------------|
| Name (Print/Type) | Thomas G. Wiseman | Registration No. (Attorney/Agent) | 35,046 | Telephone | (202) 344-4000 |
| Signature |  | Date | September 7, 2004 | | |